



Adrián González Sieira

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**Adrián González Sieira**

Surname(s): **González Sieira**
 Name: **Adrián**
 Date of birth: **22/09/1988**
 Gender: **Male**
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Current professional situation

Employing entity: University of Santiago de Compostela **Type of entity:** University

Department: Centro de Investigación en Tecnoloxías da Información (CiTIUS)

Professional category: FPU Research Fellow

Start date: 05/03/2013

Type of contract: Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time

Primary (UNESCO code): 120304 - Artificial intelligence

Performed tasks: PhD title: "Motion planning and controller learning in robotics", with research interests in: autonomous navigation in mobile robots, motion planning, uncertainty modelling, adaptative control, heuristic search, and machine learning.

Identify key words: Robotics

Previous positions and activities

	Employing entity	Professional category	Start date
	University of Santiago de Compostela	Contracted Researcher	01/10/2009

Employing entity: University of Santiago de Compostela

Department: Computer and Electronic, Centro de Investigación en Tecnoloxías da Información (CiTIUS)

City employing entity: Santiago de Compostela, Galicia, Spain

Professional category: Contracted Researcher **Educational Management (Yes/No):** No

Start-End date: 01/10/2009 - 04/03/2013

Duration: 3 years - 6 months - 4 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 120304 - Artificial intelligence

Performed tasks: Technical tasks associated to the following research projects: "OPTIPLAN4LIBREPLAN: New models of production process planning in shipbuilding" and "VACCA: Development of an Autonomous Vehicle for the Control of the Quality of Waters".

Applicability in teaching and/or research: Related fields: Motion planning in mobile robots, adaptive control, machine learning, heuristic search, scheduling.



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1 **University degree:** Máster

Name of qualification: Master's Degree in Information Technologies Research

City degree awarding entity: Santiago de Compostela, Spain

Degree awarding entity: University of Santiago de Compostela **Type of entity:** University

Date of qualification: 08/09/2011

2 **University degree:** Higher degree

Name of qualification: Engineer's degree in Computer Science

City degree awarding entity: Santiago de Compostela, Spain

Degree awarding entity: University of Santiago de Compostela **Type of entity:** University

Date of qualification: 02/08/2010

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

1 **Type of training:** Course

Training title: Multivariate Analysis

City awarding entity: Santiago de Compostela, Galicia, Spain

Awarding entity: Research Center on Information Technologies (CiTIUS)

Type of entity: Innovation and Technology Centres

End date: 31/07/2014

Duration in hours: 20 hours

2 **Type of training:** Course

Training title: euRathlon/ARCAS Workshop and Summer School on Field Robotics

City awarding entity: Sevilla, Andalusia, Spain

Awarding entity: Center for Advanced Aerospace Technologies (CATEC)

Type of entity: Technological Centre

End date: 18/06/2014

Duration in hours: 20 hours

3 **Type of training:** Course

Training title: Doctoral Seminar in Applications and Transference of Computational Intelligence (SEMÁTICA 2013)

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: ATICA Network

Type of entity: Associations and Groups

End date: 22/11/2013

Duration in hours: 20 hours



- 4** **Type of training:** Course
Training title: Statistical methods oriented to the study of parametric and non-parametric methods
City awarding entity: Santiago de Compostela, Galicia, Spain
Awarding entity: Research Center on Information Technologies (CITIUS) **Type of entity:** Innovation and Technology Centres
End date: 31/05/2013 **Duration in hours:** 20 hours
- 5** **Type of training:** Course
Training title: Doctoral Seminar in Applications and Transference of Computational Intelligence (SEMATICA 2011)
City awarding entity: Santiago de Compostela, Galicia, Spain
Awarding entity: ATICA Network **Type of entity:** Associations and Groups
End date: 08/09/2011 **Duration in hours:** 20 hours
- 6** **Training title:** English Course in United Kingdom (Level Intermediate-High, Equivalences: ILTS 5.5-6.5, TOEFL iBT 80, TOEIC 650-800, Cambridge FCE)
Awarding entity: Embassy-CES **Type of entity:** Language School
End date: 30/10/2008 **Duration in hours:** 60 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	B1	B2	B1	B2	B2
Spanish	C2	C2	C2	C2	C2
Gallegan	C2	C2	C2	C2	C2

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** PLASTIC: People as a Service soportado por las TIC
Type of project: Industrial research
Degree of contribution: Researcher
Entity where project took place: University of Santiago de Compostela
City of entity: Santiago de Compostela, Galicia, Spain
Name principal investigator (PI, Co-PI...): Comasis, S.L.
Nº of researchers: 3
Funding entity or bodies:
Centro para el Desarrollo Tecnológico Industrial **Type of entity:** Business
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Colaborador
Name of the programme: INNTERCONECTA-Galicia 2013
Start-End date: 01/04/2013 - 30/04/2015
Total amount: 49.935,6



- 2** **Name of the project:** LDCP: Linguistic description of complex phenomena: generalized quantifiers in temporal propositions
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: University of Santiago de Compostela **Type of entity:** University
City of entity: Santiago de Compostela, Galicia, Spain
Name principal investigator (PI, Co-PI....): Alberto J. Bugarín Diz
Nº of researchers: 11
Funding entity or bodies:
 Spanish Ministry of Science and Innovation **Type of entity:** State agency
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Others
Name of the programme: Not Oriented Fundamental Research Projects
Code according to the funding entity: TIN2011-29827-C02-02
Start-End date: 01/01/2012 - 30/12/2014 **Duration:** 3 years
Participating entity/entities: University of Leon; University of Santiago de Compostela
- 3** **Name of the project:** DronePlan: Motion planning, SLAM and tracking for UAVs
Entity where project took place: University of Santiago de Compostela **Type of entity:** University
City of entity: Santiago de Compostela, Galicia, Spain
Nº of researchers: 3
Start-End date: 14/05/2014 - 14/05/2014
- 4** **Name of the project:** OPTIPLAN4LIBREPLAN: New models of production process planning in shipbuilding
Geographical area: Regional
Degree of contribution: Technician
Entity where project took place: University of Santiago de Compostela **Type of entity:** University
City of entity: Santiago de Compostela, Galicia, Spain
Name principal investigator (PI, Co-PI....): Alberto Bugarín Diz
Nº of researchers: 4
Funding entity or bodies:
 Innovation and Industry Counseling of the Xunta de Galicia **Type of entity:** State agency
City funding entity: Santiago de Compostela, Galicia, Spain
Name of the programme: INCITE
Code according to the funding entity: 2011/CG247, PGIDIT10DPI031E
Start-End date: 02/05/2011 - 31/12/2013
Participating entity/entities: Igalia S. L.; University of Santiago de Compostela
- 5** **Name of the project:** VACCA: Development of an Autonomous Vehicle for the Control of the Quality of Waters
Geographical area: National
Degree of contribution: Technician
Entity where project took place: University of Santiago de Compostela **Type of entity:** University
City of entity: Santiago de Compostela, Galicia, Spain
Name principal investigator (PI, Co-PI....): Manuel Mucientes Molina

**Funding entity or bodies:**

Ministry of Science and Innovation

Type of entity: State agency**City funding entity:** Madrid, Community of Madrid, Spain**Name of the programme:** Support program to Singular and Strategic Projects**Code according to the funding entity:** PSS-310000-2009-19**Start-End date:** 29/09/2009 - 30/06/2011

Scientific and technological activities

Scientific production

Works submitted to national or international conferences

- 1** **Title of the work:** Hipster: An Open Source Java Library for Heuristic Search
Name of the conference: 9th Iberian Conference on Information Systems and Technologies (CISTI2014)
City of event: Barcelona, Catalonia, Spain
Date of event: 18/06/2014
Organising entity: Ramon Llull University **Type of entity:** University
Pablo Rodríguez Mier; Adrián González Sieira; Manuel Mucientes Molina; Manuel Lama Penín; Alberto Bugarín Diz.
- 2** **Title of the work:** A State Lattice Approach for Motion Planning under Control and Sensor Uncertainty
Name of the conference: First Iberian Robotics Conference (ROBOT2013)
City of event: Madrid, Community of Madrid, Spain
Date of event: 28/11/2013
Organising entity: Technical University of Madrid **Type of entity:** University
Adrián González Sieira; Manuel Mucientes Molina; Alberto Bugarín Diz.
- 3** **Title of the work:** A Tabu Search Optimization Module for Scheduling
Name of the conference: 8th Iberian Conference on Information Systems and Technologies (CISTI2013)
City of event: Lisboa, Lisboa, Portugal
Date of event: 19/06/2013
Organising entity: University Nova de Lisboa **Type of entity:** University
Adrián González Sieira; Alberto Bugarín Diz; Manuel Mucientes Molina; Javier Morán Rúa.
- 4** **Title of the work:** Anytime Motion Replanning in State Lattices for Wheeled Robots
Name of the conference: XIII Workshop of Physical Agents (WAF2012)
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 03/09/2012
Organising entity: University of Santiago de Compostela **Type of entity:** University
Adrián González Sieira; Manuel Mucientes Molina; Alberto Bugarín Diz.



Other dissemination activities

Title of the work: Finalist of the national contest: "Your Thesis in 3 Minutes"

Name of the event: Your Thesis in 3 Minutes

Type of event: Divulcation contest

City of event: Madrid, 20/11/2013, Spain

Date of event: 20/11/2013

Organising entity: ATICA

Type of entity: Associations and Groups

Other achievements

Obtained grants and scholarships

- 1 Name of the grant:** University Teaching Staff Training (FPU)
City awarding entity: Santiago de Compostela, Galicia, Spain
Aims: Pre-doctoral
Awarding entity: Spanish Ministry of Education, Culture and Sports **Type of entity:** State agency
Amount of the grant: 71.234,16
Conferral date: 28/02/2013 **Duration:** 4 years
End date: 05/03/2013
Entity where activity was carried out: University of Santiago de compostela
- 2 Name of the grant:** Motion Planning in Autonomous Submarine Robots
City awarding entity: Santiago de Compostela, Galicia, Spain
Aims: Pre-doctoral
Awarding entity: Provincial Council of A Coruña **Type of entity:** State agency
Amount of the grant: 7.625
Conferral date: 23/06/2011 **Duration:** 1 year
End date: 22/06/2012
Entity where activity was carried out: University of Santiago de Compostela